

## **REMARKS**

### **Status of the Claims**

Claims 40 - 79 were pending.

Claims 40-44, 47, 48, 53-67 and 71-76 were rejected.

Claims 45, 46, 49-52, 68-70, 77-79 were objected to.

Please **amend** claims 40, 49, 54, 66, 71, please cancel claims 45, 64, 65.

It is believed that the remarks laid out herein below attend to all rejections and further issues raised in the pending office action dated 21 September 2007.

### **Amendments to the Specification**

The title of the invention has been amended.

### **Allowable Subject Matter**

The Examiner objected to claim 45, 46, 49-52, 68-70, and 77-79 as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 40 has been amended to include the limitations of old claim 40, and old dependent claim 45. Therefore, new claim 40 is allowable. Claims 41-44, 46-48, 50-63 are directly or indirectly dependent on claim 40. Therefore, claims 41-44, 46-48, 50-63 are allowable. Claim 45 has been deleted.

Claim 49 has been amended to include the limitation of old claim 40 and old claim 49. Therefore, amended claim 49 is allowable.

Claim 66 was rejected Under 35USC103(a) as allegedly being unpatentable over Hummel WO 00/0733 in view of Garcia-Luna-Aceves et al.

Claims 66 has been amended to include all of the features (and more) of the allowable combination of old claim 40 and old claim 49. Therefore, amended claim 66 is allowable.

Claims 67-79 are directly or indirectly dependent on amended claim 66. Therefore, claims 67-79 are allowable.

Claims 64, 65 have been cancelled.

Claim 54-62 were rejected under 35USC112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter the applicant regards as the invention.

Claim 54 has been amended to:

“The method of claim 40, further comprising, for each client:

collecting a plurality of beacons; and  
selecting a single beacon to rebroadcast.”

Wherein claim 40 includes:

“A method of wireless connectivity comprising:  
receiving a broadcast beacon at a client;  
the client deriving information from the beacon, the information allowing the client to identify all other clients in a multi-hop path from the client to a server; further comprising the client;  
storing every beacon received;  
designating one path identified by one beacon as the optimal path;  
setting a default gateway as identified in the optimal path; and  
rebroadcasting only the beacon representing the optimal path.

It is believed that all antecedent bases issues of claim 54 have been addressed. Therefore, antecedent basis rejections of dependent claims 55-62 have been addressed.

The examiner rejected claims 71-74 for insufficient antecedent base. Claim 71 has been amended to address insufficient antecedent basis of the feature "the default gateway".

### ENTRY OF AMENDMENTS

The amendments above should be entered by the Examiner because the amendments are supported by the as-filed specification and drawings and do not add any new matter to the application.

### CONCLUSION

Claims 40-44, 46-63, 66-79 are believed to be in condition for allowance, and a notice thereof is respectfully solicited. Should the Examiner determine that additional issues remain which might be resolved by a telephone conference, he is respectfully invited to contact Applicants' undersigned attorney.

Respectfully submitted,

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